# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/22 as well as, where applicable, ite	20 em 5 below.			
International application No.	International filing date (day/mont	(Earliest) Priority Date	e (day/month/year)			
International application 745			22 / 2004			
PCT/EP2005/050986	04/03/2005	04/0	)3/2004			
Applicant						
LEICA GEOSYSTEMS AG						
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this international Sea ransmitted to the international Burea	ching Authority and is transmitted .	to the applicant			
This International Search Report consists	s of a total ofsh	ets.				
	y a copy of each prior art document					
Basis of the report     a. With regard to the language, the language in which it was filed, ur	international search was carried ou less otherwise indicated under this	on the basis of the international ap em.	oplication in the			
The internationa this Authority (R	I search was carried out on the basisule 23.1(b)).	of a translation of the international	application furnished to			
b. With regard to any nucle	eotide and/or amino acid sequenc	disclosed in the international appli	ication, see Box No. I.			
2. Certain claims were fo	und unsearchable (See Box II).					
3. Unity of invention is la	cking (see Box III).					
4. With regard to the title,						
	submitted by the applicant.					
I 1	ished by this Authority to read as foll	ws:				
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* 1						
5. With regard to the abstract,	submitted by the conlinent					
1 <del>-</del>	the text is approved as submitted by the applicant.  It is approved as submitted by the applicant the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant					
the text has been estable may, within one month f	from the date of mailing of this intern	tional search report, submit comm	ents to this Authority.			
6. With regard to the <b>drawings</b> ,						
a. the figure of the <b>drawings</b> ,  a. the figure of the <b>drawings</b> to be published with the abstract is Figure No6						
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#### INTERNATIONAL SEARCH REPORT

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A method of controlling wireless messaging between mobile apparatuses and an onsite office in a worksite comprises the steps of: dividing the worksite area int o elementary cells (C) mapped in correspondence with the topology of the area an d into communication zones (CZ), for a given communication zone of the worksite, establishing at least one updatable communication attribute value pertaining to a parameter of wireless communication to or from the given communication zone, for a given elementary cell, establishing at least one worksite management attri bute value of the worksite at that cell, storing, in an electronic memory (20), values of the worksite and communication attributes, each stored attribute value being electronically indexed to the elementary cell, or to the communication zo ne, for which it was determined, forming a worksite management message with an e lectronically readable content containing at least one worksite management attri bute value, accessing the memory to obtain at least one current communication at tribute value in respect of a communication zone to or from which the formed man agement message is to be communicated by a wireless communication, and establi ing a wireless communication to or from the communication zone to send or receiv e the management message on the basis of the current communication attribute val ue(s) electronically accessed from the memory.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05D1/02 E02F3/84

G08G1/123

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G05D E02F G08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	US 5 850 341 A (KLEIMENHAGEN KARL W ET AL) 15 December 1998 (1998-12-15) cited in the application column 1, line 6 - column 4, line 42 column 5, line 16 - column 8, line 24 column 11, line 10 - column 11, line 40; figures 1,2,5	1-50		
<b>Y</b>	US 6 611 755 B1 (COFFEE JOHN R ET AL) 26 August 2003 (2003-08-26) column 1, line 6 - column 6, line 67 column 8, line 43 - column 10, line 17 column 20, line 53 - column 21, line 30 column 72, line 25 - column 74, line 47; figure 1  -/	1-50		

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents:      A' document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family		
Date of the actual completion of the international search	Date of mailing of the international search report		
31 May 2005	08/06/2005		
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo nl,  Fax: (+31–70) 340–3016	Authorized officer Vaño Gea, J		

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# PCT/EP2005/050986

•	on) DOCUMENTS CONSIDERED TO BE RELEVANT	 Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Helevant to claim No.
Y	US 6 084 870 A (WOOTEN ET AL) 4 July 2000 (2000-07-04) column 1, line 9 - column 4, line 39 column 4, line 63 - column 7, line 50 column 15, line 29 - column 15, line 47; figure 1	1-50
A	YAKOH T ET AL: "MACS: An efficient multicast mechanism for radiopacket communication among multiple mobile robots" COMMUNICATIONS, COMPUTERS AND SIGNAL PROCESSING, 1993., IEEE PACIFIC RIM CONFERENCE ON VICTORIA, BC, CANADA 19-21 MAY 1993, NEW YORK, NY, USA, IEEE, vol. 2, 19 May 1993 (1993-05-19), pages 561-564, XP010141735 ISBN: 0-7803-0971-5 the whole document	1-50
A	US 4 414 661 A (KARLSTROM ET AL) 8 November 1983 (1983-11-08) the whole document	1-50
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### Information on patent family members

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